Modified

DETAIL ESTIMATE FOR CONSTRUCTION OF TERRACE FLOOR BUILDING AT JP PARK SWIMMING POOL PARKING AREA IN J P PARK WARD NO -17

Sl.No	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
1	Providing and laying cement concrete using 20mm & down size granite coarse aggregate and fine aggregates of **ready mixed concrete(RMC)** for RCC works laid in 15cms thick layers and well compacted including vibrating, curing etc., including smooth finish in CM 1:3, with all lead and lift etc, complete (exclusive of cost of steel and fabrication charges) Ready mix concrete for Beams. columns, staircase and roof with M-30 (Cement - 360 kg/cum) (PWD - P-19,-I-4.49.3)								
	For columns	Cmt	19	0.30	0.45	3.50	8.98		
	for lift columns		4	0.30	0.45	3.50	1.89		
	For beams		3	18.00	0.30	0.30	4.86		
			6	12.00	0.30	0.30	6.48		
			3	6.00	0.30	0.30	1.62		
	For roof slab		1	18.20	12.30	0.15	33.58		
			1	8.00	3.30	0.15	3.96		
			1	5.50	2.50	0.15	2.06		
	staircase		2	3.50	1.20	0.15	1.26		
	midlanding		1	2.40	1.20	0.15	0.43		
	midlanding to roof slab		2	3.50	1.20	0.15	1.26		
	For steps		25	1.20	0.30	0.15	1.35		
	lift walls		1	8.00	0.20	4.50	7.20		
							74.93		
		BOQ	**21.67**						
				Qty. Upto 125% of BOQ			**27.09**	6994.00	**189,450.00**
				Qty. Beyond 125% of BOQ			**47.84**	6994.00	**334,617.00**
2	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (Steel=1.075Qtl) (PWD -P-17-I-4.46.3)								
	@120kgs/cmt	Qtl					8,991.72		
							89.92		-
		BOQ	**27.09**						
				Qty. Upto 125% of BOQ			**33.86**	7719.00	**261,385.00**
				Qty. Beyond 125% of BOQ			**56.05**	7719.00	**432,686.00**
3	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. (PWD - P-16, I-4.32)								
		Smt	19	1.50		3.50	**99.75**		
		BOQ	**45.90**						
				Qty. Upto 125% of BOQ			**57.38**	431.00	**24,729.00**
				Qty. Beyond 125% of BOQ			**42.38**	431.00	**18,264.00**
4	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD - P-15, I-4.18)								
	Roof Slab	Smt	1	18.50	12.50		231.25		
			1	8.00	3.50		28.00		
	Second floor						**259.25**		
		BOQ	**61.59**						
				Qty. Upto 125% of BOQ			**76.99**	428.00	**32,951.00**
				Qty. Beyond 125% of BOQ			**182.26**	428.00	**78,008.00**
5	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunching cantilever girders bressummer and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification. (PWD - P-17, I-4.34)								
			3	18.00		0.90	48.60		
			6	12.00		0.90	64.80		
							113.40		
		BOQ	**6.05**						
				Qty. Upto 125% of BOQ			**7.56**	419.00	3,169.00
				Qty. Beyond 125% of BOQ			**105.84**	419.00	44,346.00

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Sl.No	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
6	KSRB 4-6.11 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification.(PWD - P-17, I-4.34)								
		Cmt	1	4.00	1.35		5.40		
			2	4.00	0.30		2.40		
			1	3.00	1.50		4.50		
			2	3.00	0.15		0.90		
			2	1.50	0.15		0.45		
			1	4.00	1.35		5.40		
			2	4.00	0.30		2.40		
			2	1.35	0.30		0.81		
			24	1.35	0.30		9.72		
	Second floor						**31.98**	546.00	17,461.08
		BOQ	**32.06**						
7	Providing and constructing precast concrete **solid blocks with compressive strength not less than 35kg/sqm with C.M 1:4** masonary (quoin, jamb, closer blocks) with solid concrete blocks of **size 40x20x20cms** conforming to IS:2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.(PWD - P- 25 - I -5.34)								
	Alround wall	Cmt	1	18.00		3.50	63.00		
			1	12.50		3.50	43.75		
			1	11.00		3.50	38.50		
	Paritions		1	40.00		1.50	60.00		
	Internal walls		1	12.00		3.50	42.00		
	Deduction Door D2		2	0.90		2.10	-3.78		
	Window W		7	1.50		1.20	-12.60		
	R/s		1	2.50		3.00	-7.50		
	Second floor						**223.37**		
		BOQ	**94.65**						
				Qty. Upto 125% of BOQ			**118.31**	952.00	**112,634.00**
				Qty. Beyond 125% of BOQ			**105.06**	952.00	**100,015.00**
9	KSRB15-3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD - P - 112 - I -15.9)								
	Internal walls		1	19.00		3.50	66.50		
			4	12.50		3.40	170.00		
	Partions		2	40.00		1.50	120.00		
	Deduction Door D2		2	0.90		2.10	-3.78		
	Window W		7	1.50		1.20	-12.60		
	R/s		1	2.50		3.00	-7.50		
	Second floor						**332.62**		
		BOQ	**71.59**						
				Qty. Upto 125% of BOQ			**89.49**	172.00	**15,392.00**
				Qty. Beyond 125% of BOQ			**243.13**	172.00	**41,819.00**
10	KSRB15-3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to **ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD - P - 112 - I -15.9)								
	ceiling		1	18.00		12.00	216.00		
	beams		2	18.00		0.90	32.40		
			6	15.00		0.90	81.00		
	Second floor						**329.40**		
		BOQ	**24.75**						
				Qty. Upto 125% of BOQ			**30.94**	171.00	**5,290.00**
				Qty. Beyond 125% of BOQ			**298.46**	171.00	**51,037.00**
13	Providing **20mm thk cement plaster in Single coat** with cement mortar 1:3 to stone/brick/Aerocon block/block masonry and concrete surface including rounding off corners wherever required smooth rendering, providing and removing scaffolding including cost of materials, labour and curing complete as per specifications. PWD (P- 113,-I - 15.19) .								
	External plastering		1	85.00		3.50	297.50		
			1	25.00		3.40	85.00		
	Deduct windows		7	1.50		1.20	-12.60		
	R/s		1	2.50		3.00	-7.50		
	Second floor						**362.40**		
		BOQ	**100.86**						

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No	Description	Unit	No.	Measurements Length	Width	Depth	Quantity	PWD Rates	Amount
				Qty. Upto 125% of BOQ			126.08	235.00	29,628.00
				Qty. Beyond 125% of BOQ			236.33	235.00	55,536.00
14	Extra for providing and mixing waterproofing compound in cement plaster for brick massonry work at one kg per bag or in the proportion recommened by the manufacturers for the cement mortor 1:4, 20mm thk cost of materials complete as per specifications. PWD (P- 113,-I - 15.19) .								
	External plastering		1	85.00		3.50	297.50		
			1	25.00		3.50	87.50		
	Deduct windows		7	1.50		1.20	-12.60		
	R/s		1	2.50		3.00	-7.50		
	Second floor						**364.90**		
		BOQ	**166.02**						
				Qty. Upto 125% of BOQ			**207.53**	11.00	2,283.00
				Qty. Beyond 125% of BOQ			**157.38**	11.00	1,731.00
									1,852,431.08
	Extra items								
1	Providing and laying in position reinforced cement concrete of mix M20 with 12mm and down size graded granite metal, machine mixed, well compacted for chajja of 7.5cms average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.(PWD - P-15,-I-4.20)								
		Smt	7	1.50	0.60		6.30		
			2	1.00	0.60		1.20		
	Second floor						**7.50**	490.41	3,678.08
2	Providing and removing centering, shuttering, strutting, propping etc., **for chajjas**, corbels etc., including edges including cost of all materials, labour complete as per specification. (PWD - P-17, I-4.37)								
		Smt	7	1.50	0.60		6.30		
			2	1.00	0.60		1.20		
							7.50	264.67	1,985.03
3	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for retainer walls, vertical walls in plan including cost of all materials, labour complete as per specification. (PWD - P-17, I-4.31)								
	lift walls	Smt	2	8.00		3.50	56.00		
							56.00	289.13	16,191.28
4	KSRB 5-15 : Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1 :4 (Jamb, closer blocks) with blocks of size 40x10x20cms. (LxBxH) conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. PWD (P- 28,-I - 5.28) .								
	Toilet wall	Cmt	4	3.00		3.00	36.00		
	Second floor						**36.00**	682.30	24,563.00
5	KSRB 15.8.1 Providing and fixing plaster mesh 100mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) (Pg: 124-I-15.34 of KPWD SR 2013-14)								
	for column joint		6	3.50		3.50	73.50		
							73.50	31.36	2,304.96

Modified Estimate

TECHNICAL SANCTION
Rs: 19,96,000/- (Nineteen Lakh ninety Six thousand) is accorded
under the head: P-2434
By CE(R.R.N.): SL. NO: 113
Registered as CE (R.R.N) No: Pages: 26-27 subject
to conditions contained in enclosed memo
No: TS/113/16-17 Date: 28/6/16
TA, CE (R.R.N.)

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು

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